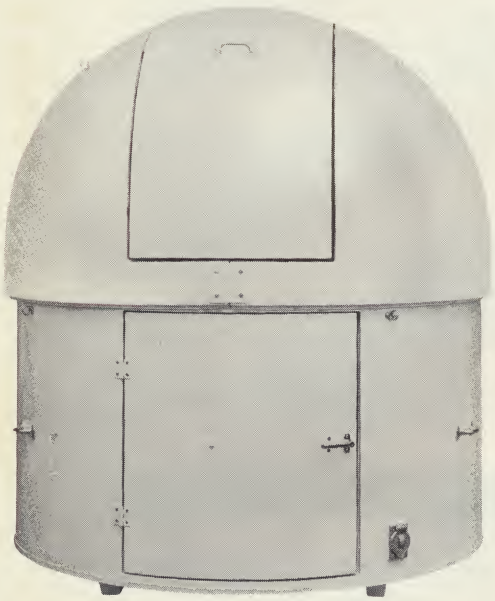
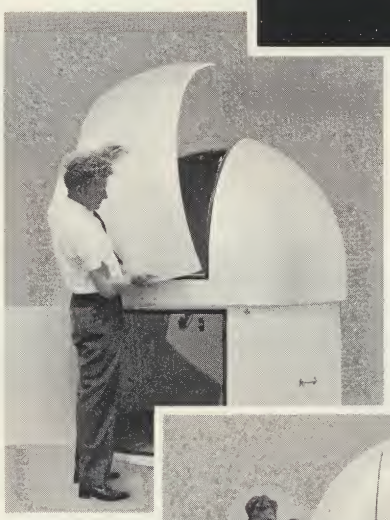
PARABAM

6-FOOT DIAMETER ASTRODOME SHELTER

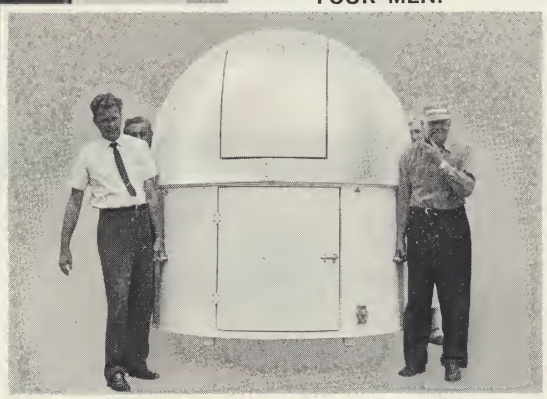
TECHNICAL BULLETIN
No. 863-19





DOME APERTURE CAN BE REMOVED BY ONE MAN.

EASILY CARRIED BY FOUR MEN.



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The Parabam 6-foot Camera Enclosure is a small, lightweight, easily portable astrodome-type shelter. It is used for permanent or field protection of fixed Ballistic Cameras such as BC-4 cameras and other types of optical instrumentation. The 6-ft. Astrodome is ideal for use in the global satellite triangulation, geodetic surveys and other monitoring or photographic uses. Its small size, extra lightweight and rugged construction permits ease of transport to any location by manpower, dolly, truck, plane or helicopter.

The enclosure consists of an insulated rotatable dome and stationary base cylinder. *It is designed and constructed to provide protection — during operation and storage — against solar radiation, thermal distortion, dust, wind and rain.*

Accuracy of Data is improved by shielding the instrument and its mount from direct solar radiation and wind. Operational efficiency of the instrumentation system is increased by protecting instruments from the elements, reducing down time and permitting equipment emplacement and preliminary set-up procedures even under adverse weather conditions.

Parabam 6-Foot Diameter

ASTRODOME SHELTER

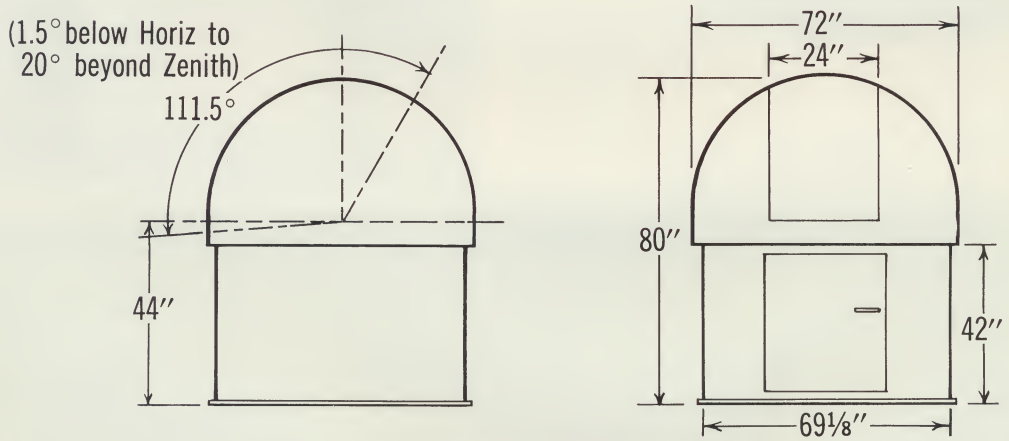
TECHNICAL SPECIFICATIONS

GENERAL DESCRIPTION: The Parabam Astrodome Shelter is of sandwich type construction and is composed of a continuously rotatable dome on a base cylinder. To provide greater strength, durability and thermal insulation — two skins of polyester-impregnated fiberglass cloth are bonded to a honeycomb core.

Dome & Base Cylinder: The dome may be continuously rotated in azimuth. The dome aperture is protected by a lightweight door that may be easily removed by one man. This door, when secured by means of pull down type latches, provides a dust proof and weather proof seal. Jacks located within the astrodome are used to effect a positive seal between the dome and base cylinder. The base has a personnel access door.

Lighting: Flush mounted lights are located in the base cylinder. Power is applied through a water tight receptical located on the outside of the base cylinder.

NOTE: Domes are available with optional air conditioning. Your inquiries are invited for special modifications to meet your specific needs.



DETAILED SPECIFICATIONS

Environmental Performance

Ambient Temp. Range (operating)	−20°F to +160°F
(non-operating)	−65°F to +160°F
Wind Load (operating)	30 mph steady, gusts to 50 mph
(non-operating)	130 mph
Thermal Conductivity	Less than 0.4 BTU/hr/sq. ft./°F
Weight (Approx.)	320 lbs.
Power Requirement	120 VAC, 1 phase, 60 cycle

PARABAM, INC.

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